

AMENDMENTS TO THE CLAIMS

Please cancel Claims 1, 2, 4-10, 21, 31-35, 37-39, 41 and 48-57; and amend Claims 36 and 40 as follows.

LISTING OF CLAIMS

1.-17. (cancelled)

18. (previously presented) A method of generating handoff timing parameters, comprising:

initializing a drop timer database including current pilot drop timer values being a function of a database call category;

receiving an adapted pilot drop timer value from a wireless device;

determining a call category of the wireless device;

determining a revised pilot drop timer value corresponding to the wireless device call category; and

updating the drop timer database to reflect the revised pilot drop timer value; wherein

determining a revised pilot drop timer value includes computing a probability distribution of at least two pilot drop timer values generated by the wireless device during a predetermined time period and corresponding to the wireless device call category.

19. (original) The method of Claim 18 wherein determining a call category includes:

determining at least one call characteristic; and

querying the drop timer database to determine the call category corresponding to the call characteristic.

20.-21. (cancelled)

22. (original) The method of Claim 18 further comprising updating the mobile wireless device pilot drop timer value based on the current pilot drop timer value in the drop timer database corresponding to the call category of the mobile wireless device.

23. (original) The method of Claim 18 wherein the drop timer database further includes current adjustment factors corresponding to the current pilot drop timer values.

24. (original) The method of Claim 18 wherein the adapted pilot drop timer value is selected from the group consisting of a nominal value and a range value, and a maximum value and a minimum value.

25. (original) The method of Claim 23 further comprising:
determining a revised adjustment factor corresponding to the wireless device call category; and
updating the drop timer database to reflect the revised adjustment factor.

26. (original) The method of Claim 24 updating the mobile wireless device adjustment factor based on the current adjustment factor in the drop timer database corresponding to the call category of the mobile wireless device.

27. (original) The method of Claim 18 further comprising sending the revised pilot drop timer value to the wireless device.

28. (original) The method of Claim 27 wherein sending includes sending the revised pilot drop timer value to other wireless devices in the wireless device call category.

29. (original) The method of Claim 27 wherein the revised pilot drop timer value includes a nominal value and a range value.

30. (original) The method of Claim 27 wherein the revised pilot drop timer value includes a maximum value and a minimum value.

31.-35. (cancelled)

36. (currently amended) ~~The method of Claim 33~~ A method of generating handoff timing parameters, comprising:

initializing a drop timer database including current pilot drop timer values
being a function of a database call category;
receiving an adapted pilot drop timer value from a wireless device;
determining a call category of the wireless device;
determining a revised pilot drop timer value corresponding to the wireless
device call category;
updating the drop timer database to reflect the revised pilot drop timer
value;
determining an identifier corresponding to the revised pilot drop timer
value; and
communicating the identifier to the wireless device;
wherein determining the identifier includes:
querying a standard table to determine a standard pilot drop timer value
being closest in value to the revised pilot drop timer value; and
selecting the identifier corresponding to the standard pilot drop timer
value; and
wherein determining a revised pilot drop timer value includes computing a
probability distribution of at least two pilot drop timer values generated by the wireless
device during a predetermined time period and corresponding to the wireless device call
category.

37.-39. (cancelled)

40. (currently amended) ~~The method of Claim 38~~ A method of generating handoff timing parameters, comprising:

initializing a drop timer database including current pilot drop timer values being a function of a database call category;

receiving an adapted pilot drop timer value from a wireless device;

determining a call category of the wireless device;

determining a revised pilot drop timer value corresponding to the wireless device call category;

updating the drop timer database to reflect the revised pilot drop timer value;

determining an identifier corresponding to the revised pilot drop timer value; and

communicating the identifier to the wireless device;

wherein determining the identifier includes:

querying a modifiable table to determine a modified pilot drop timer value being closest in value to the revised pilot drop timer value; and

selecting the identifier corresponding to the modified pilot drop timer value;
and

wherein determining a revised pilot drop timer value includes computing a probability distribution of at least two pilot drop timer values generated by the wireless device during a predetermined time period and corresponding to the wireless device call category.

41.-57. (cancelled)